

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032253.D
 Acq On : 24 Sep 2025 18:41
 Operator : SY/MD
 Sample : Q3183-09
 Misc : 3.82g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3-VOC

Quant Time: Sep 25 08:17:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)

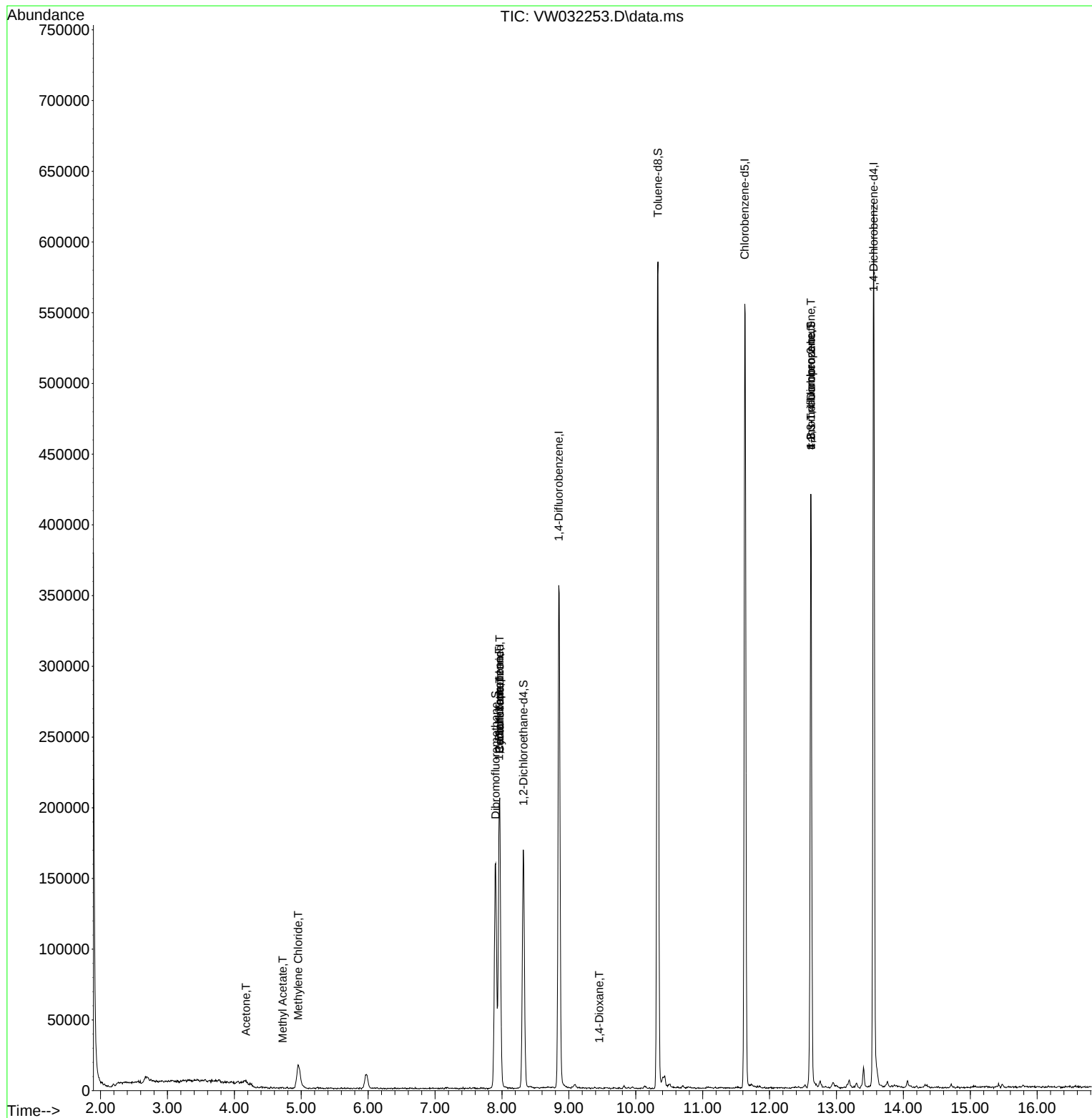
Internal Standards							
1) Pentafluorobenzene		7.965	168	148144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.849	114	302431	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.629	117	303302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.556	152	158964	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.319	65	138551	65.396	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	130.800%	
35) Dibromofluoromethane		7.904	113	112473	53.007	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.020%	
50) Toluene-d8		10.331	98	382494	51.351	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	102.700%	
62) 4-Bromofluorobenzene		12.617	95	132962	48.273	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.540%	
Target Compounds							
16) Acetone		4.173	43	1619	3.528	ug/l #	55
18) Methyl Acetate		4.722	43	1656	1.133	ug/l #	86
20) Methylene Chloride		4.954	84	15349	4.676	ug/l	94
31) Cyclohexane		7.965	56	4124	1.586	ug/l #	28
36) 1,1-Dichloropropene		7.959	75	13046	4.742	ug/l #	51
38) Carbon Tetrachloride		7.965	117	16157	5.478	ug/l #	18
49) 1,4-Dioxane		9.453	88	19	1.094	ug/l #	1
76) 1,2,3-Trichloropropane		12.617	75	71537	35.921	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.617	75	71537	96.716	ug/l #	5

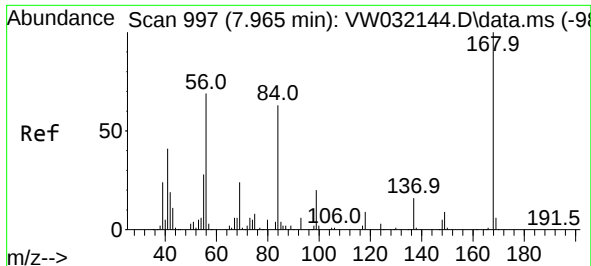
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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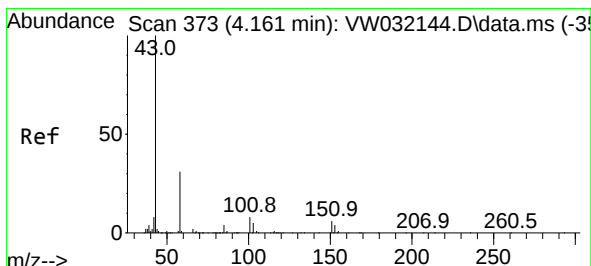
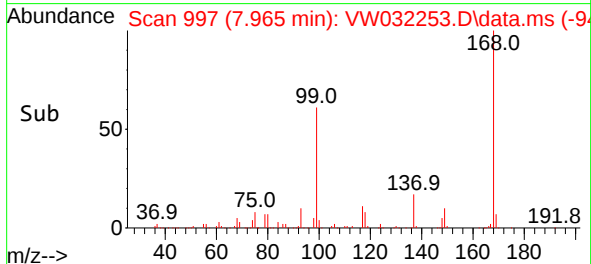
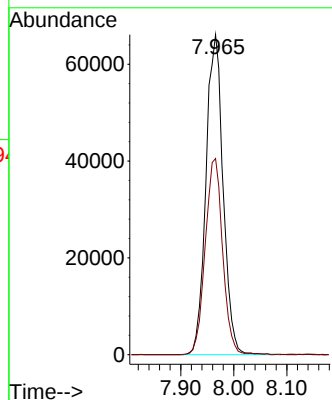
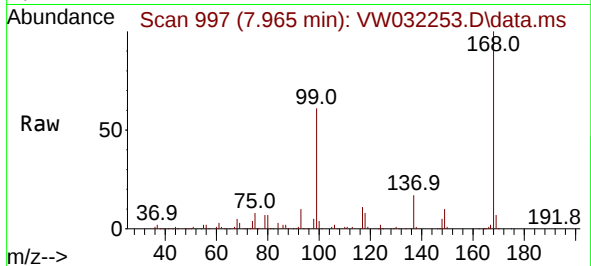




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

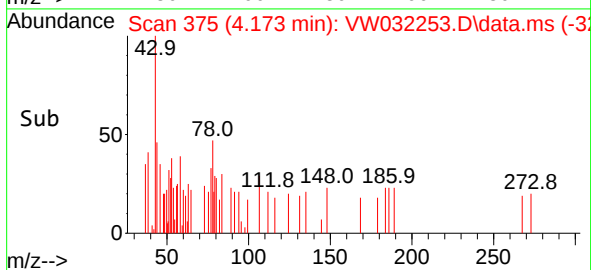
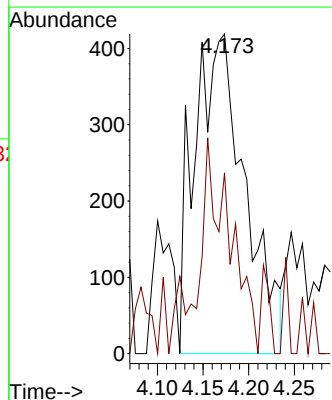
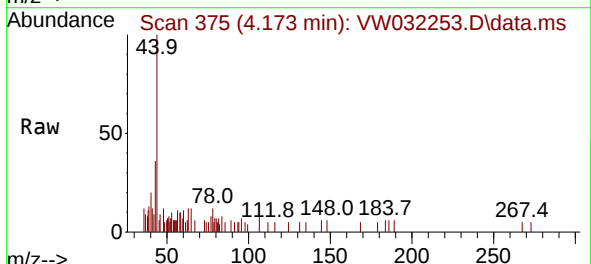
Instrument :
MSVOA_W
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WC-3-VOC

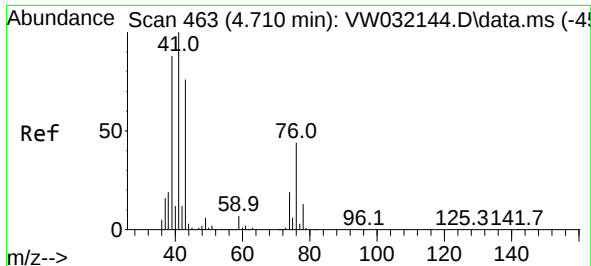
Tgt Ion:168 Resp: 148144
Ion Ratio Lower Upper
168 100
99 61.3 49.3 73.9



#16
Acetone
Concen: 3.528 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Tgt Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
58 56.6 25.3 37.9#

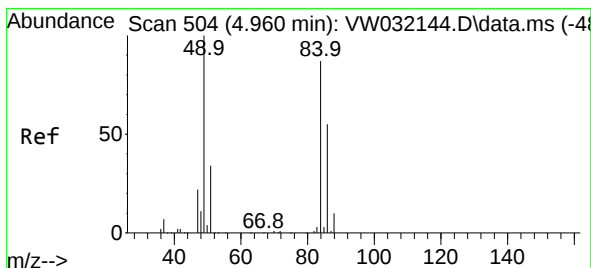
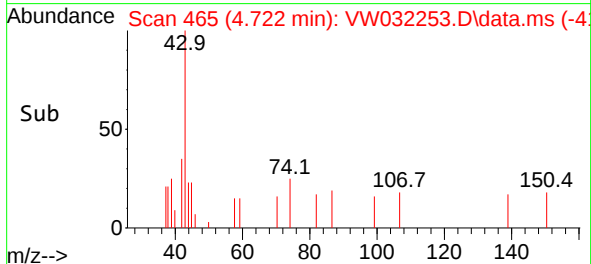
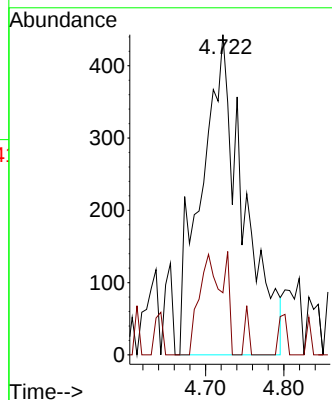
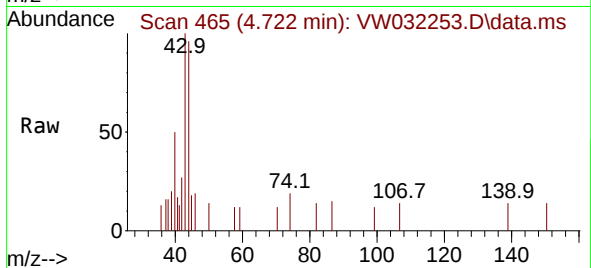




#18
Methyl Acetate
Concen: 1.133 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

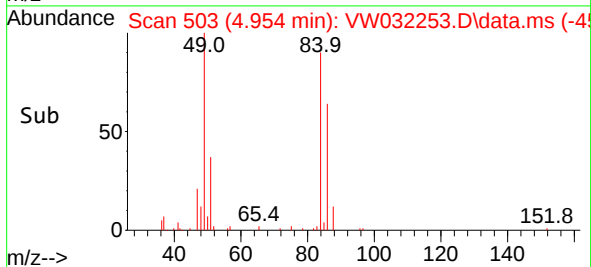
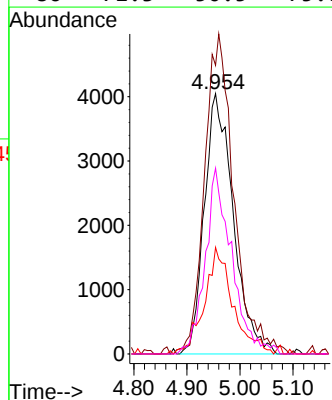
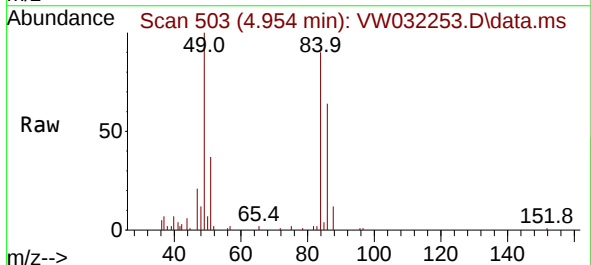
Instrument :
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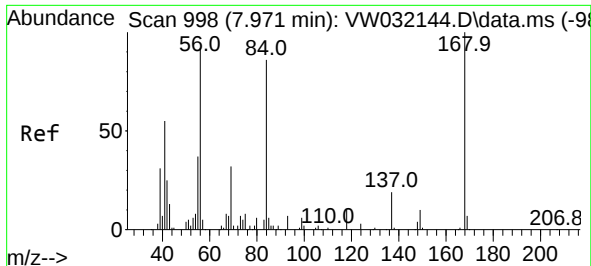
Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
74 18.2 20.2 30.4#



#20
Methylene Chloride
Concen: 4.676 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Tgt Ion: 84 Resp: 15349
Ion Ratio Lower Upper
84 100
49 109.0 92.2 138.4
51 38.8 31.0 46.6
86 71.3 50.5 75.7

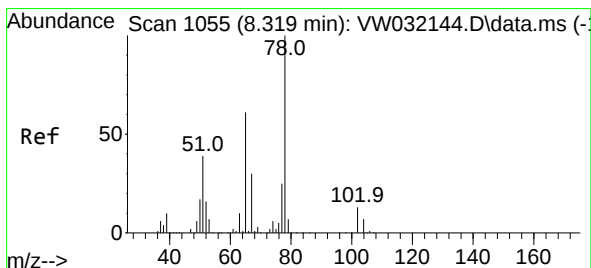
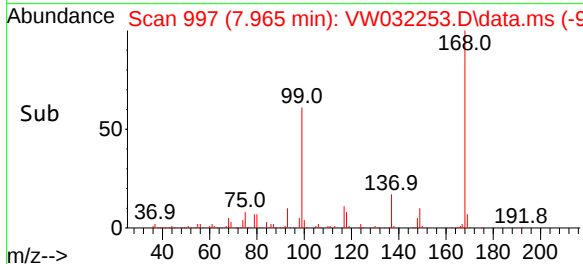
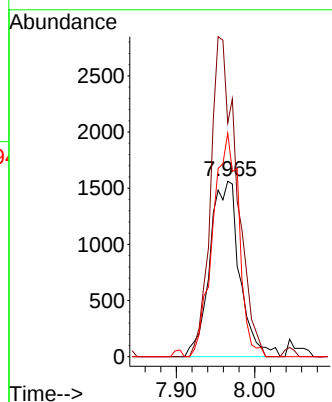
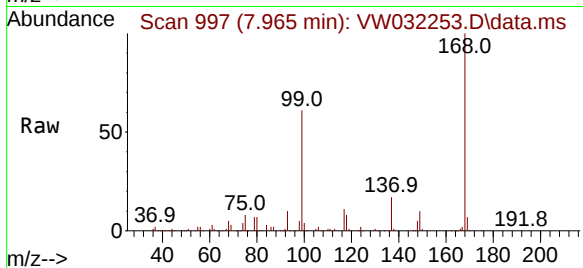




#31
Cyclohexane
Concen: 1.586 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

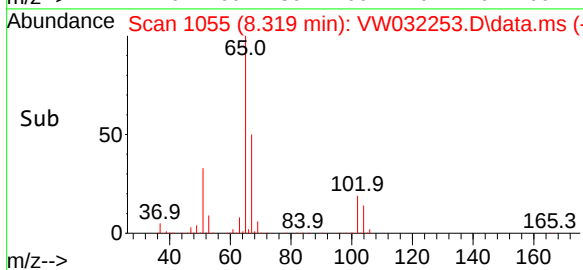
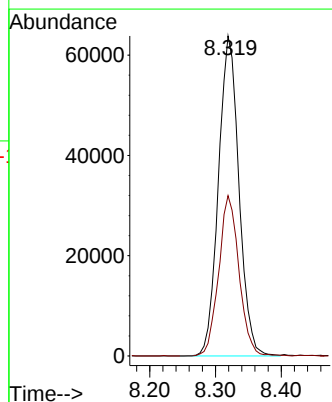
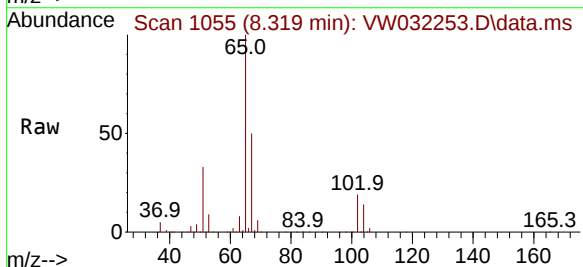
Instrument :
MSVOA_W
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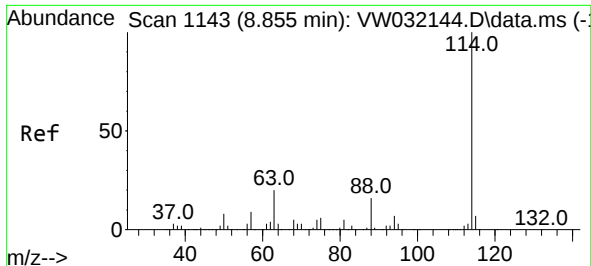
Tgt Ion: 56 Resp: 4124
Ion Ratio Lower Upper
56 100
69 133.2 27.7 41.5#
84 127.4 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 65.396 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Tgt Ion: 65 Resp: 138551
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.6

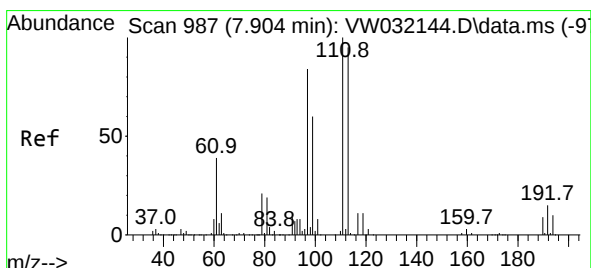
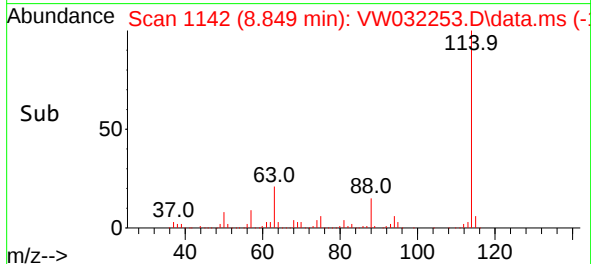
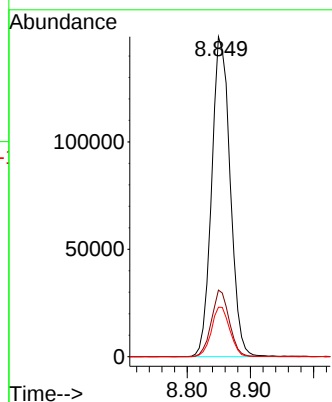
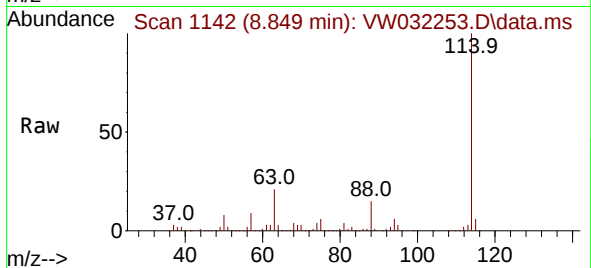




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

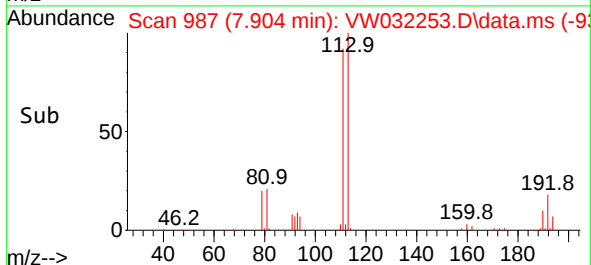
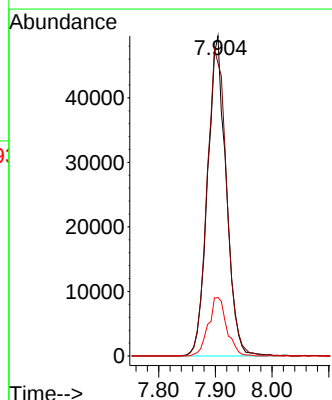
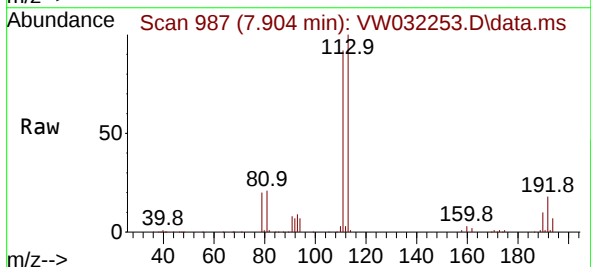
Instrument :
MSVOA_W
ClientSampleId :
WC-3-VOC

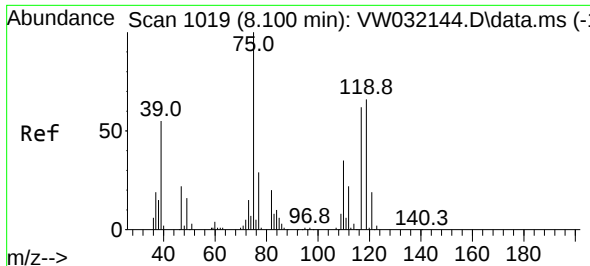
Tgt Ion:114 Resp: 302431
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.4
88 15.5 0.0 32.0



#35
Dibromofluoromethane
Concen: 53.007 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Tgt Ion:113 Resp: 112473
Ion Ratio Lower Upper
113 100
111 101.7 83.9 125.9
192 18.1 14.6 21.8

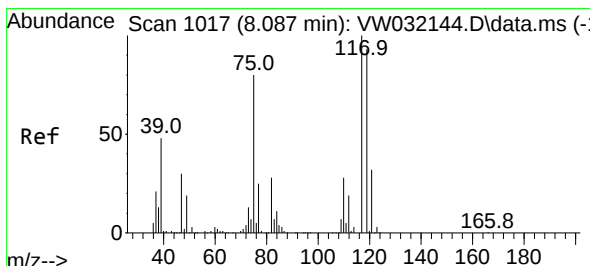
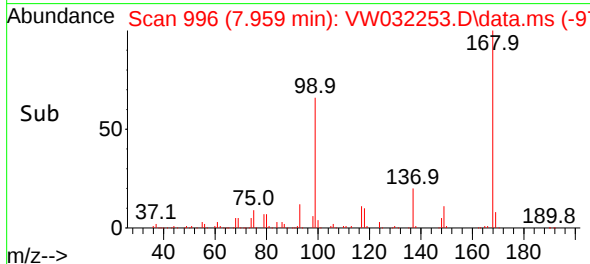
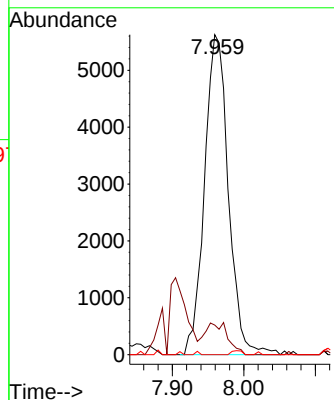
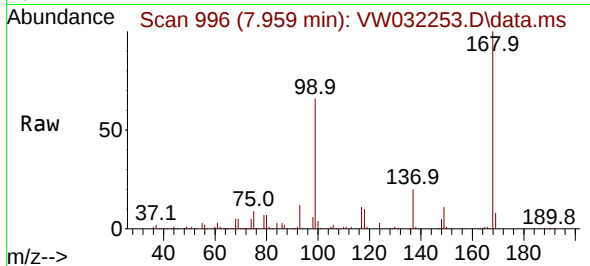




#36
 1,1-Dichloropropene
 Concen: 4.742 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032253.D
 Acq: 24 Sep 2025 18:41

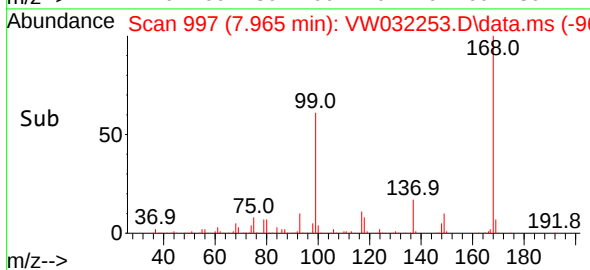
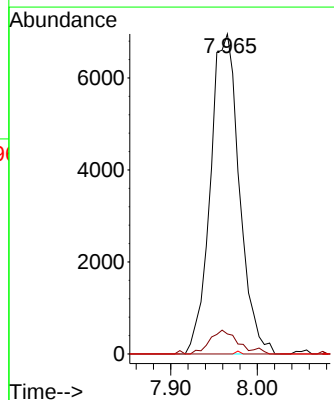
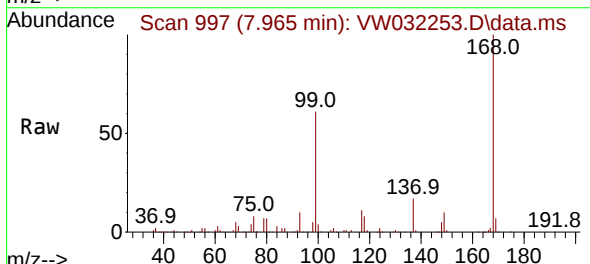
Instrument :
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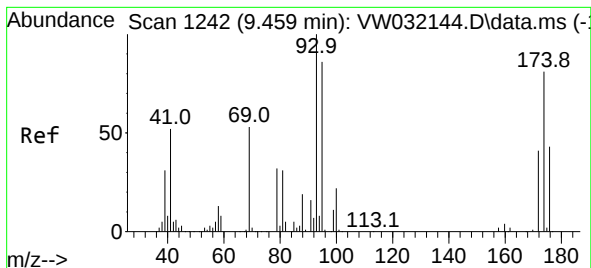
Tgt Ion: 75 Resp: 13046
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.5 52.5#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.478 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.122 min
 Lab File: VW032253.D
 Acq: 24 Sep 2025 18:41

Tgt Ion: 117 Resp: 16157
 Ion Ratio Lower Upper
 117 100
 119 6.2 74.2 111.2#
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.094 ug/l

RT: 9.453 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032253.D

Acq: 24 Sep 2025 18:41

Instrument :

MSVOA_W

ClientSampleId :

WC-3-VOC

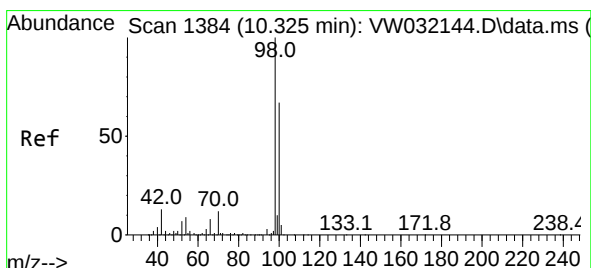
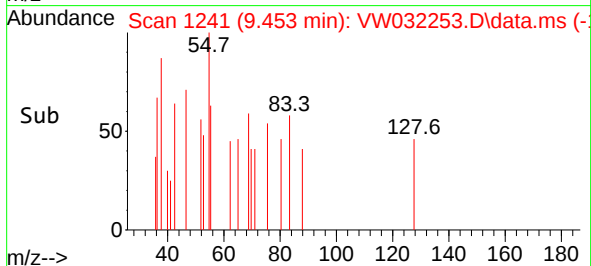
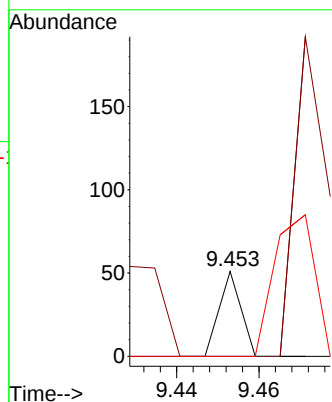
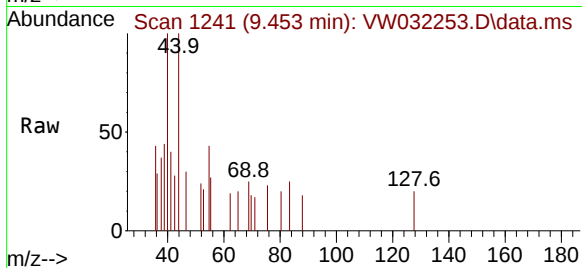
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 657.9 18.0 27.0#

58 305.3 55.4 83.0#



#50

Toluene-d8

Concen: 51.351 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032253.D

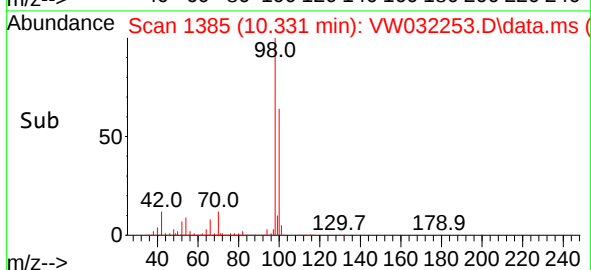
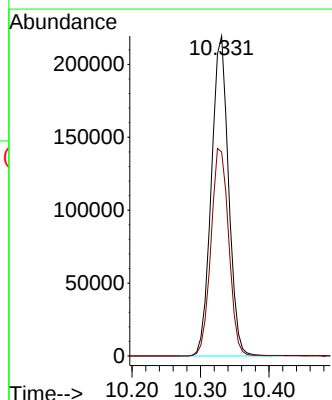
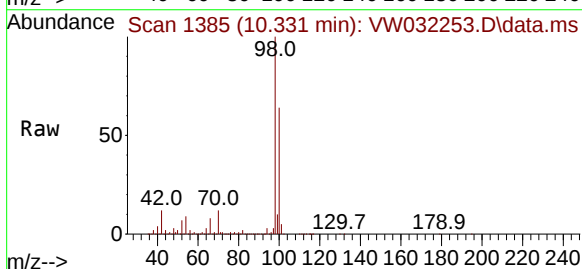
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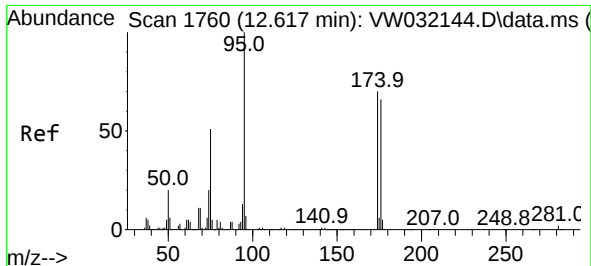
Tgt Ion: 98 Resp: 382494

Ion Ratio Lower Upper

98 100

100 66.9 51.4 77.2

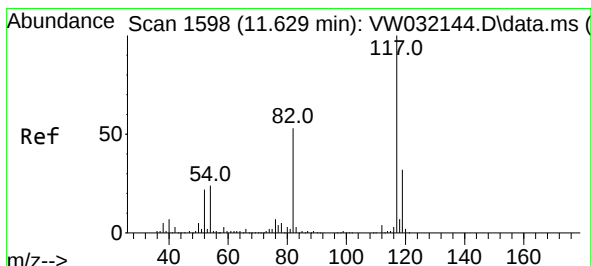
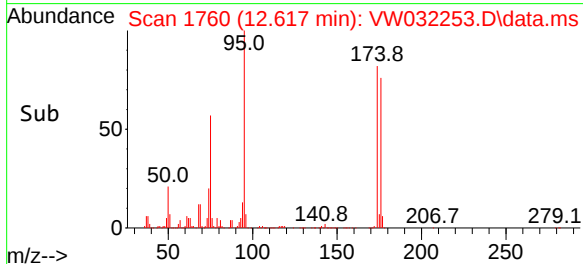
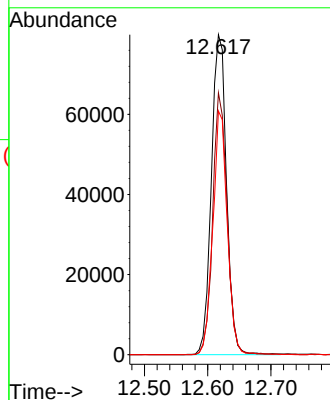
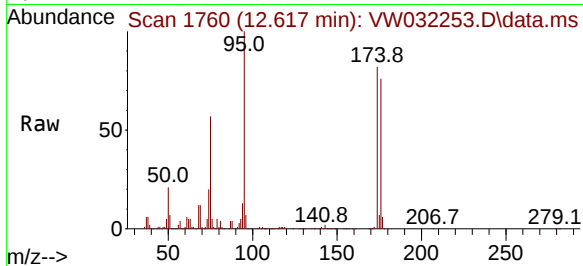




#62
4-Bromofluorobenzene
Concen: 48.273 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

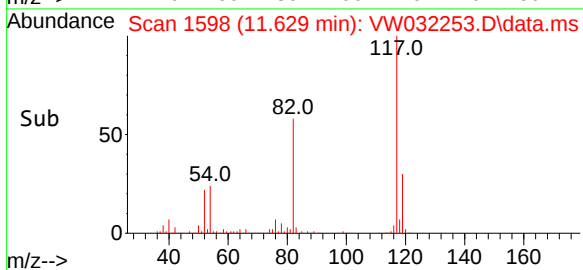
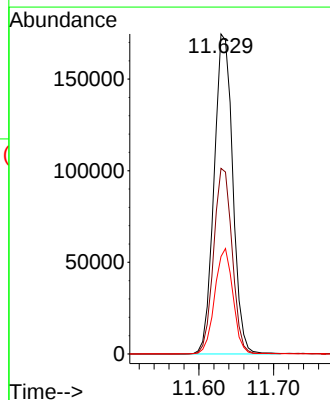
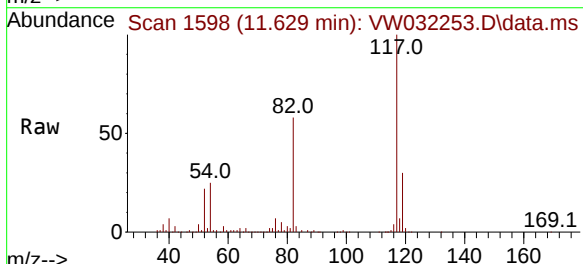
Instrument :
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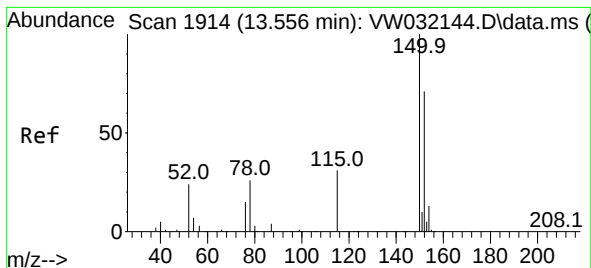
Tgt Ion: 95 Resp: 132962
Ion Ratio Lower Upper
95 100
174 77.8 0.0 145.6
176 72.7 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032253.D
Acq: 24 Sep 2025 18:41

Tgt Ion: 117 Resp: 303302
Ion Ratio Lower Upper
117 100
82 58.0 42.7 64.1
119 30.4 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032253.D

Acq: 24 Sep 2025 18:41

Instrument :

MSVOA_W

ClientSampleId :

WC-3-VOC

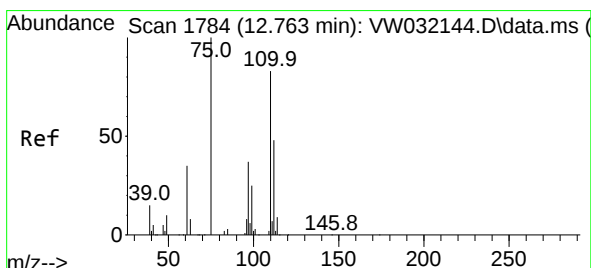
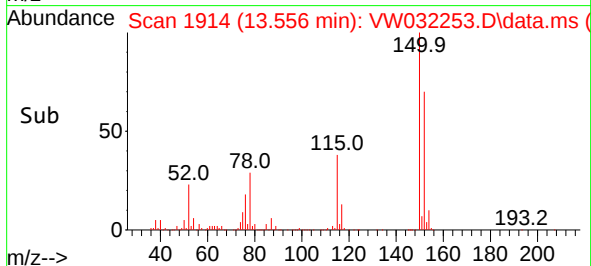
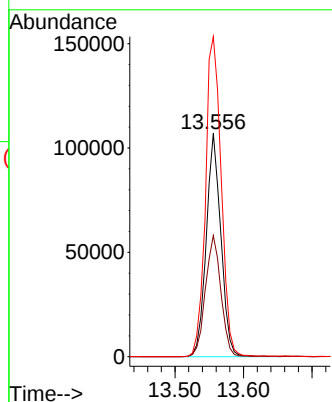
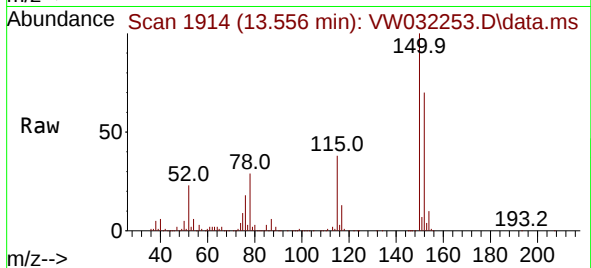
Tgt Ion:152 Resp: 158964

Ion Ratio Lower Upper

152 100

115 57.6 31.8 95.4

150 153.9 0.0 343.0



#76

1,2,3-Trichloropropane

Concen: 35.921 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032253.D

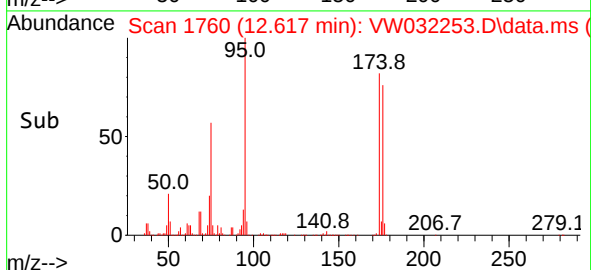
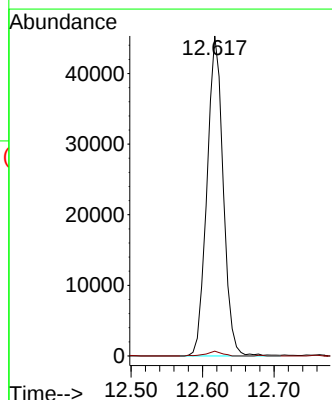
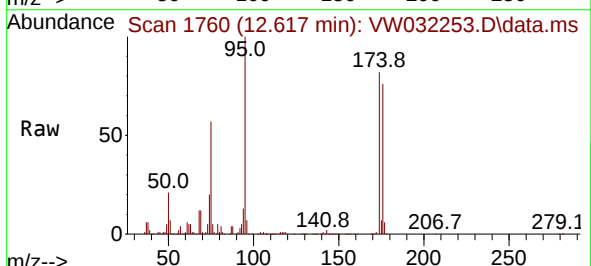
Acq: 24 Sep 2025 18:41

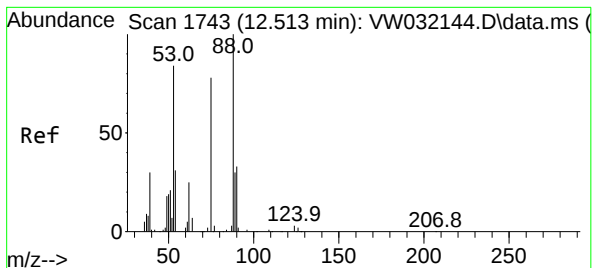
Tgt Ion: 75 Resp: 71537

Ion Ratio Lower Upper

75 100

77 1.4 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.716 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032253.D
 Acq: 24 Sep 2025 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3-VOC

Tgt Ion: 75 Resp: 71537
 Ion Ratio Lower Upper
 75 100
 53 0.6 91.0 136.6#
 89 0.1 39.4 59.2#

